

*POVALYAYEV, N.*

POVALYAYEV, N., inzh.; PORTNYAGIN, S., inzh.

Basic principles of establishing wage schedules for merchant marine  
personnel. Mor. flot 18 no.2:2-4 P '58. (MIRA 11:2)

1. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki i eksplu-  
atatsii vodnogo transporta.  
(Merchant seamen--Salaries, pensions, etc.)



POVALYAYEV, N.

Methods for evaluating fulfillment of annual plans by cargo ships.  
(MIRA 12:3)  
Mor.flot 19 no.1:9-12 Ja '59.

1. Nachal'nik sektora ekonomiki i ekspluatatsii morskikh perevosok  
TSentral'nogo nauchno-issledovatel'skogo instituta ekonomiki i ekspluatatsii  
sii vodnogo transporta.  
(Freighters) (Shipping--Accounting)

POVALYAYEV, N.

Schedule of watch duty and service on merchant ships with a seven-hour workday. Mor. flot 22 no.8:18-19 Ag '62. (MIRA 15:7)

1. Glavnyy spetsialist otdela ekspluatatsii flota Gosudarstvennogo proyektno-konstruktorskogo i nauchno-issledovatel'skogo instituta morskogo transporta.

(Merchant seamen)

POVALYAYEV, N., inzhener.

Annual planning for cargo ship operations. Mor.flot.16 no.6:  
6-8 Je '56. (MIRA 9:9)

1. Tsentral'nyy nauchno-issledovatel'skiy institut ekonomiki  
i ekspluatatsii vodnogo transporta.  
(Ships--Cargo) (Shipping)

POVALYAYEV, Nikolay Ivanovich; MEDVEDEV, Yu.V., red.; IVANOV, K.A., red.izd-va,  
LAVRENOVA, N.B., tekhn.red.

[Operational indices for the merchant marine] Ekspluatatsionnye  
pokazatel i izmeriteli raboty morskogo transportnogo flota.  
Moskva, Izd-vo "Morskoi transport," 1958. 81 p. (Ekonomika i  
ekspluatatsiia morskogo transporta) (MIRA 11:12)  
(Shipping)

N/5

756.51

.P5

Povalyayev, Nikolay Ivanovich

Ekspluatatsionnyye pokazateli i izmeriteli  
raboty morskogo transportnogo flota (Operating  
quotas and measurements of work in the maritime  
transport fleet)  
Moskva, "Morskoy Transport", 1958

81 p. graphs, tables (Ekonomika i  
Ekspluatatsiya Morskogo Transporta)

POVALYAYEV, P.I.

YERM LOV, Boris Pavlovich; ZAKATOV, Petr Sergeyevich; KUTUZOV, Mikhail  
Nikiforovich; MURAVIN, Mark Mikhaylovich; SAYENKO, Dmitriy Vasil'-  
yevich; TROITSKIY, Boris Vladimirovich; ~~WUDSHTEYS~~, M.L., redaktor;  
POVALYAYEV, P.I., redaktor; KUZ'MIN, G.M., tekhnicheskij redaktor

[Geodesy] Geodeziia. Pod obshchei red. P.S.Zakatova. Moskva, Izd-  
vo geodezicheskoi lit-ry. Pt. 1. 1954. 519 p. (MLRA 8:7)  
(Geodesy)



TETERIN, Yegor Nikolayevich; SHUBIN, Nikolay Vasil'yevich;  
OCHERET'KO, Aleksandr Konstantinovich; PAVLOV,  
Vitaliy Fedorovich, dots; BARANOV, A.N., retsenzent;  
SUKHOV, A.I., retsenzent; POVALYAYEV, P.I., nauchn.-  
pedagog. rabotnik, retsenzent; PROKOF'YEV, F.I., nauchn.-  
pedagog. rabotnik, retsenzent; RYCHKOV, A.I., nauchn.-  
pedagog. rabotnik, retsenzent; YLRO', S.I., retsenzent;  
KHROMCHENKO, F.I., ved. red.

[Organization and planning of surveying and topographical  
work] Organizatsiia i planirovanie geodezicheskikh i to-  
pograficheskikh rabot. Moskva, Nedra, 1965. 299 p.

(MIRA 18:7)

1. Zaveduyushchiy kafedroy organizatsii i planirovaniya  
kartografo-geodezicheskikh rabot Moskovskogo instituta  
inzhenerov geodezii, aerofotos"yemki i kartografii (for  
Sukhov). 2. Kafedra organizatsii i planirovaniya karto-  
grafo-geodezicheskikh rabot Moskovskogo instituta inzhe-  
nerov geodezii, aerofotos"emki i kartografii (for  
Povalyayev, Prokof'yev, Rychkov, Pavlov). 3. Glavnoye  
upravleniye kapital'nogo stroitel'stva Ministerstva putey  
soobshcheniya SSSR (for Rychkov). 4. Nachal'nik Glavnogo  
upravleniya geodezii i kartografii SSSR (for Baranov).

POVALYAYEV, P.I.

POVALYAYEV P. I.

ZAVARZA, N. T.

(4)  
AUTHOR: ZAVARZA, N. T.  
TITLE: Some Given.  
PERIODICAL: Chronicle (Chronicle)  
ABSTRACT: Geodesiya i Kartografiya, 1958, Nr 10, pp 19 - 60 (USSR)

SOV/6-58-10-17/17

A conference of the heads of aerial surveying authorities was held in Moscow at the GUGK (Central Bureau of Surveying) on September 10-12, 1957. Under the leadership of the Minister of the Interior USSR, L. I. Zaytsev, the GUGK spoke about "Plans for Topographical-Surveying Work for 1959". The volume of work done has been increased by 8.9 % as compared to the same period in 1957. It was stated that reorganization has not yet been everywhere completed. The necessity of increasing the quality of work was emphasized. Measures were decided upon for the improvement of control and the auditing of

Card 1/2

work. It was stated that the chief engineers of several AGP (Zabaykalsky AGP - P. A. Korshakov, Srednesibirskoye AGP - V. A. Kolibayev, Irkutskoye AGP - L. I. Zaytsev) do not endeavor to ensure compliance with the order established for the development and the auditing of field projects. For this reason it was decided to set a deadline for elaborating and auditing field projects for 1959, not later than March 1 - 15.

Card 2/2  
USSR-DC-40, 18.1

MINAYEV, Georgiy Aleksandrovich; SHAT'KO, Nina Ivanovna; D'YAKOV, G.S.,  
retsensent; POVALYAYEV, P.I., dots., retsensent; PROKOF'YEV,  
F.I., dots., retsensent; KULIEV, A.A., starshiy prepodavatel',  
retsensent; TUROV, S.I., red.; KOMAR'KOVA, L.M., red. izd-va;  
ROMANOVA, V.V., tekhn. red.

[Safety engineering in topographic and geodetic work] Tekhnika  
bezopasnosti na topografo-geodezicheskikh rabotakh. Moskva,  
Geodezizdat, 1962. 226 p. (MIRA 15:9)  
(Surveying--Safety measures)

SUDAKOV, S.G.; ALEKSANDROV, T.F.; YELISEYEV, S.V.; IZOTOV, A.A.; KUZ'MIN, B.S.; LARIN, D.A.; LITVINOV, B.A.; MOLODENSKIY, M.S.; POVALYAYEV, P.I.; RYTOV, A.V.; TIMOFEYEV, A.A.; TOMILIN, A.F.; SHISHKIN, V.N.  
KUZ'MIN, G.M., tekhnicheskiy redakter.

[Triangulation on the 1,2,3 and 4 order] Instruktsiya po triangulyatsii 1,2,3 i 4 klassov. Moskva, Izd-vo geodesicheskoi lit-ry, 1956. 307 p. (MLRA 9:5)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografi.  
(Triangulation)

YAKOBSON, K.K., doktor tekhn.nauk, prof.; USTINOV, V.P., kand.tekhn.nauk;  
POVALYAYEV, Ye.P., inzh.

Manual for constructing metal bridges ("Metal bridges" by K.G.  
Protasov and others. Reviewed by K.K. Yakobson, V.P.Ustinov,  
E.P.Povaliaev). Transp.stroi. 8 no.10:31-32 0 '58.

(Bridges, Iron and steel)

(MIRA 11:11)

(Protasov, K.G.)

POVALYAYEV, Ye.V., kand.tekhn.nauk

Experimental studies of an arch bridge over the Yenisey.  
Bet. 1 zhel.-bet. 8 no.8:343-346 Ag '62. (MIRA 15:9)  
(Krasnoyarsk--Bridges, Concrete--Testing)

97-50-1-7/12

AUTHOR: ~~Povalyayev, Ye. V.~~ Engineer.

TITLE: Investigations of Transverse Stresses in Reinforced Concrete Beams made from High Quality Concretes<sup>4</sup> (Issledovaniye raboty zhelezobetonnykh balok iz betonov povyshennoy prochnosti na poperechnuyu silu)

PERIODICAL: Beton i Zhelezobeton 1958. No. 1 USSR. Pp 22-26.

ABSTRACT: The method of calculation is based on the experiments and technological studies carried out by Candidate of Technical Science M.S. Borishanskiy under the leadership of Professor A.A. Gvozdev. Investigations into bending and transverse stresses of 48 reinforced concrete beams made from concrete of strengths 405-525 k.g. per c.m<sup>2</sup> were carried out by the author of this article under the directship of Dr. of Technical Science Professor K.K. Yakobson. To analyse the obtained values works by the following authors were used. Professor A.A. Gvozdev and Candidate of Technical Science M.S. Borishanskiy, Professors V.I. Murashev and V.A. Bushkov, Candidates of Technical Science Ya.M. Nemirovskiy, Ye.A. Troitskiy, A.V. Alekseychenko and V.G. Karabash, Engineer Yu.I. Solov'ov.

Card 1/2

97-58-1-5/12

Investigations of Transverse Stresses in Reinforced Concrete Beams made from High Quality Concretes.

During the tests the following values were obtained. A reaction to the shear force in the compressed zone; the effect of the widths of the section and main and cross reinforcement on the load bearing capacity of the beam and finally values on the deformation of concrete and reinforced concrete. Table 1 gives limits of "fluidity" and the strength of the reinforcement tested to crushing point. Figure 1 gives details of tested beam samples. General values obtained during the testing of beams are given in Table 2. The relationship between the value of transverse force and the angle of inclination of the crack was found to be the same as was originally defined by Candidate of Technical Science M.S. Borishanskiy. It was found by analysing the values obtained by Borishanskiy and the values obtained by the author that a reaction to the shear force in the compressed zone of the concrete increases with the increased cross-section of reinforcement - Figure 4. Figure 2 shows cracking of beams reinforced in various ways. In 1947 TsNIPS tested samples in shear and showed that with increased normal stresses the strength of concrete in shear increases along a skew section. There are 5 Figures and 2 Tables.

Card 2/2

1. Beams--Stresses
2. Reinforced concrete--Properties



POVALYAYEV, Ye.V., inzh.

Investigating the transverse force in high-strength concrete girders.  
Bet. 1 zhel.-bet. no.1:22-26 Ja '58. (MIRA 11:2)  
(Girders) (Reinforced concrete--Testing)

POVALYAYEVA, A.T.

Role of external factors in the development and clinical aspects of  
peptic ulcer. Trudy LSGMI 20:23-27 '54. (MLRA 10:8)

1. Kafedra propedevtiki vnutrennikh bolezney Leningradskogo  
sanitarno-gigiyenicheskogo meditsinskogo instituta, zav. kafedroy -  
prof. S.M.Ryss.

(PEPTIC ULCER, physiology,  
environmental factors)

(ENVIRONMENT,  
environmental factors in peptic ulcer)

POVALYAYEVA, A.T.

Methods in the active treatment of peptic ulcer (vitamins, A.N. Filatov's serum, insulin). Trudy ISGMI 20:125-135 '54. (MLBA 10:8)

1. Kafedra propedevtiki vnutrennikh bolezney Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta, zav. kafedroy - prof. S.M.Ryss.

- (PEPTIC ULCER, therapy,  
insulin, A.N.Filatov's serum & vitamin B<sub>1</sub>)
- (VITAMIN B<sub>1</sub>, therapeutic use,  
peptic ulcer)
- (SERO THERAPY, invarious diseases,  
peptic ulcer, A.N.Filatov's serum)
- (INSULIN, therapeutic use,  
peptic ulcer)

POVALYAYEVA, A.T.

Comparative evaluation of vitamin B<sub>1</sub>, of ganglion-blocking agents, and of a combination of ganglio-blocking agents with vitamin B<sub>1</sub> in the therapy of peptic ulcer. Trudy ISGMI 50:180-187 '58. (MIRA<sup>1</sup>12:1)

1. Kafedra propedevtiki vnutremnikh zabolevaniy (zav. - prof. S.M. Ryss) Leningradskego sanitarno-gigiyenicheskogo meditsinskogo instituta.

(PEPTIC ULCER, therapy vitamin B<sub>1</sub> & ganglion blocking agents, comparison alone & in combination (Rus))

(VITAMIN B<sub>1</sub>, therapeutic use peptic ulcer, comparison alone & with ganglion blocking agents (Rus))

(AUTONOMIC DRUGS, therapeutic use peptic ulcer, comparison alone & with vitamin B<sub>1</sub> (Rus))

PETROVSKIY, V.I.; POVALYAYEVA, A.T.

Influence of vitamin B<sub>12</sub> and ganglion-blocking agents (pachycarpine, tetraethylammonium and hexonium) on the coronary circulation in peptic ulcer. Trudy ISGMI 50:188-195 '58. (MIRA 12:1)

1. Kafedra propedevtiki vnutrennikh zabolevaniy (zav. - prof. S.M. Rysa) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(VITAMIN B<sub>12</sub>, effects

on ECG changes in peptic ulcer after admin. of ganglion-blocking agents (Rus))

(PEPTIC ULCER, physiology

ECG picture, eff. of vitamin B<sub>12</sub> & ganglion-blocking agents (Rus))

(AUTONOMIC DRUGS, effects

on ECG picture in peptic ulcer, influence of vitamin B<sub>12</sub> on changes (Rus))

(ELECTROCARDIOGRAPHY, in various diseases

peptic ulcer, eff. of vitamin B<sub>12</sub> & ganglion-blocking agents on picture (Rus))

MOKHNENKO, A.P.; POVALYAYEVA, A.T.

Result of outpatient treatment in peptic ulcer. Trudy LSGMI 20:  
288-296 '54. (MIRA 10:8)

1. Kafedra organizatsii zdravookhraneniya Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta, zav. kafedroy - kandidat meditsinskikh nauk B.P.Pisarev i Kafedra propedevtiki vnutrennikh bolezney Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta, zav. kafedroy - prof. S.M.Ryss.

(PEPTIC ULCER, therapy,  
outpatient clin.)

(OUTPATIENT SERVICES,  
in peptic ulcer)

USSR/Pharmacology - Toxicology - Chelating Agents.

V

Abs Jour : Ref Zhur Biol., No 4, 1959, 18636

Author : Povalyayeva, A.T.

Inst : Leningrad Medical Institute of Sanitation and Hygiene

Title : The Comparative Evaluation of the Therapeutic Effect in Treatment of Gastric Ulcers with Vitamin B<sub>1</sub>, Ganglioblockers and Combination of Ganglioblockers with Aneurin

Orig Pub : Tr. Leningradsk. san.-gigien. med. in-ta, 1958, 50, 180-187

Abstract : The results are described of treatment of ulcer patients with vitamin B<sub>1</sub> (110 people), ganglioblocking preparations (I) - tetamon and hexonium (150 people), and the combined application of hexonium (30-60 mg in 24 hours) with B<sub>1</sub> (50 mg. in 24 hours). The best therapeutic effect was obtained in the last group of patients. Treatment

Card 1/2

- 32 -

POVALYAYEVA, I.P.

Relation between the distribution of herbaceous vegetation and the mechanical composition and humus content of sandy soils in the dry pine forests of the Irtysh Valley. Nauch.dokl.vys.shkoly; biol.nauki no.2:128-131 '60.  
(MIRA 13:4)

1. Rekomendovana kafedroy geobotaniki Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

(KANONERKA REGION--FOREST ECOLOGY) (FOREST SOILS)



RUSSIAN, S.T.

Prevention of recurrent peptic ulcer. Trudy ICGMI 77:46-48, 1971.

(MIM 17:4)

I. Kafedra prokedsytki vnutrennikh zabolevaniy Leningradskogo  
sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy  
chlen-korrespondent AN SSSR, prof. S.M. Ryss).

POVALYAYEVA, A.T.

Ganglion-blocking substances (tetamonand hexonium) in the treatment of peptic ulcer. Trudy LSGMI 37:36-47 '58.

(MIRA 12:8)

1. Kafedra propedevticheskoy terapevticheskoy kliniki Leningradskogo meditsinskogo instituta (zav.kafedroy - prof. S.M.Ryss).

(PEPTIC ULCER, ther.

hexamethonium & tetraethylammonium iodide (Rus))

(HEXAMETHONIUM COMPOUNDS, ther. use

peptic ulcer (Rus))

(TETRAETHYLAMMONIUM, ther. use

tetraethylammonium iodide in peptic ulcer (Rus))

POVALYAYEVA, A.T., kand.med.nauk (Leningrad)

Use of ganglion-blocking agents in peptic ulcer. Klin.med. 37 no.10:  
59-62 0 '59. (MIRA 13:2)

1. Iz propedevticheskoy terpevticheskoy kliniki (zaveduyushchiy - prof.  
S.M. Ryss) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo  
instituta.

(PEPTIC ULCER ther.)  
(AUTONOMIC DRUGS ther.)

FRUMKIN, M.L.; KOVAL'SKAYA, L.P.; YEGOROVA, K.V.; POVALYAYEVA, I.P.

Duration of clarification and the quality of grape juice treated  
with X-rays. Kons. i ov. prom. 16 no.9:8-13 S '61. (MIRA 14:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut konservnoy i  
ovoshchesushil'noy promyshlennosti.

(Grape juice) (Gamma rays--Industrial application)

S/081/62/000/012/033/063  
B166/B101

AUTHORS: Meleshko, V. P., Izmaylova, D. R., Chervinskaya, O. V.,  
Povalyayeva, L. P., Zolotareva, R. I.

TITLE: Complete desalting of water on ion-exchange-resin installations of medium capacity

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 12, 1962, 359, abstract 12I310 (Sb. "Issled. v obl. prom. primeneniya sorbentov". M., AN SSSR, 1961, 223-227)

TEXT: On one of the installations for the deep desalting of water the 3A3-10T (EDE-10P) anion-exchange resin was desilicifying the water poorly due to the active groups of the anion-exchange resin being blocked with  $\text{HCO}_3^-$  ions. It was recommended that the desalting installation be provided with a second degasifier to remove  $\text{CO}_2$  residues and with two desilicifying filters in which the loaded EDE-10P anion-exchange resin is regenerated with 0.24 N NaOH and periodically washed through with 0.5 N HCl to remove the  $\text{HCO}_3^-$ . The desilicifying efficiency and the silicon

Card 1/2

Distr: 4E4j/4E2c

Corrosion resistance of aluminum and alloys  
 Avdeyev, L. P., Povungava, and A. V. Shalshay, Izv. Vsesoyuzn. Nauch. Ts. 70-80 (1974); Referat. Zhur.  
 Har. IVST, Abstr. No. 2953. Corrosion resistance of Al and  
 Cu was studied in relation to pH variation and  $Cl^-$  concn.  
 A buffer mixt. contg.  $H_2BO_3$ ,  $CH_3COOH$ , and  $H_3PO_4$  with  
 the addn. of alkali to the required pH, was used as the corro-  
 sive medium. NaCl was also added in various concns.  
 Samples of Al and Cu foil were immersed in the soln. and  
 withdrawn after 10 days at room temp. under conditions of  
 free access of air. The Al corrosion products were removed  
 in 5%  $HNO_3$ , and those of Cu in 5%  $H_2SO_4$ . It was shown  
 that  $Cl^-$  increases the corrosion of Cu and Al. The curve  
 of Cu corrosion showed a min. at pH 10.0-11.0, depending  
 on the  $Cl^-$  content. The Al corrosion curve had a min. at  
 7-7.5, independent of the presence of  $Cl^-$ . The self-dis-  
 solving Cu-corrosion products change the pH to 4-5. In Al  
 corrosion, the final pH value is lower the higher the  $Cl^-$   
 concn. in the soln. See also Referat. Zhur., Khim. 1957,  
 Abstr. No. 6503. C. H. Fuchsman

POVAR, F.V.

Effect of seed heating and vernalization before sowing on the  
yield of spring wheat. Agrobiologia no.1:141 Ja-F '59.

(MIRA 12:4)

1. L'vovskiy gosudarstvennyy pedagogicheskiy institut.  
(Wheat) (Vernalization)

POVAR, F. V., CAND AGR SCI, "BIOLOGICAL PECULIARITIES  
AND CONDITIONS OF DEVELOPMENT OF SPRING WHEAT IN THE WEST-  
ERN ~~OBLASTS~~ <sup>areas of</sup> OF UKSSR." KHAR'KOV, 1960. (MIN OF AGR UKSSR,  
KHAR'KOV ORDER OF LABOR RED BANNER AGR INST IM V. V. DOKU-  
CHAYEV). (KL, 3-61, 226).



POVAR, I.L., inzh. (Poltava)

Without controlling pipes. Stroi. truboprov. 5 no.10:19 0'60.

(Gas distribution)

(MIRA 13:10)

POVAR, K.M., meditsinskaya sestra

Hydroaeroionization and its use under sanatorium conditions. Med.  
sestra no.5:55-56 My '61. (MIRA 14:6)

1. Sanatoriy imeni XXX-letiya Sovetskoy Ukrainy, kurort Pushcha-  
Voditsa.

(AIR, IONIZED--THERAPEUTIC USE)

POVARENKIN, V. (Stalingrad)

Combined training center in a plant. Za rul. 18 no.8:2-3 Ag  
'60. (MIRA 13:9)

1. Predsedatel' avtomobil'noy sekti samodeyatel'nogo sportivno-  
tekhnicheskogo kluba Dobrovol'nogo obshchestva sodeystviya armii,  
aviatsii i flotu Stalingradskogo traktornogo zavoda.  
(Stalingrad--Automobile drivers)

L 45126-66 ENT(m)/EMP(f)/T IJP(c) RM/RI  
ACC NR: AP6024262 (A) SOURCE CODE: UR/0066/66/000/007/0037/0039

AUTHOR: Povarchuk, M. M.

ORG: All-Union Scientific Research Institute of the Refrigeration Industry  
(Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy promyshlennosti)

TITLE: An automobile-refrigerator LuMZ-945 on a "Moskvich-432" chassis with machine-accumulation refrigeration

SOURCE: Kholodil'naya tekhnika, no. 7, 1966, 37-39

TOPIC TAGS: automotive industry, automobile refrigerator, refrigeration system, refrigeration equipment, refrigeration unit, automobile chassis, transportation equipment/ Moskvich-430 automobile chassis, Moskvich 432 automobile chassis, LuMZ-945 automobile refrigerator, FGK O.7 refrigeration unit

ABSTRACT: An automobile-refrigerator built on a "Moskvich-430" chassis was developed for the delivery of perishable products within a city. After successfully testing the design, the Lutsk mechanical engineering plant built several models of the LuMZ-945 automobile-refrigerator on the "Moskvich-432" chassis for operational testing in several Soviet cities. The cooling compartment has a 0.9 m<sup>3</sup> volume and can refrigerate a 170-kg load to 2C with 30C outside air. The compartment is insulated by 50 mm of PS-4 foam plastic. The accumulation refrigeration system has a 29-liter

Card 1/2

UDC: 629.1-444

POVARENKOV, Sergei Dmitrievich.

Reference book for railroad and track foremen Moskva, Gos. transp. shel-dor. izd-vo, 1940. 455 p. (50-44705)

TF204.P68

POVARENKOV, SERGEI DMITRIEVICH.

Pamiatka puteitse./\_Guide for a track surveyor\_. Moskva, Gos. Transp. zhel-for. izd-vo, 1944. 104 p. diagrs.

DLC: Tf 240. P66

SO: Soviet Transportation and Communications. A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

POVARENKOV, Sergei Dmitrievich.

Reference book for railroad and track foremen 5. izd., pers. i dop. Moskva,  
Gos. transp. zhel-dor. izd-vo, 1950. 575 p. (50-39677)

TF240.P68 1950

KOIODYAZHNYI, G.M., inzhener [deceased]; POVARENKOV, S.D., inzhener;  
ZHEREBIN, M.I., inzhener, redaktor; KHITROV, P.A., tekhnicheskii  
redaktor.

[Manual for railroad trackwalkers] Rukovodstvo putevomu obkhodchiku.  
Izd. 4-e, ispr. i dop. Moskva, Gos. transp. zhel-dor. izd-vo, 1951.  
162 p. [Microfilm] (MLRA 8:1)

1. Russia (1923- U.S.S.R.) Ministerstvo putey soobshcheniya.  
(Railroads--Maintenance and repair)



POVARENKOV, Sergey Dmitriyevich, inzhener; SOROKIN, N.N., redaktor;  
VERINA, G.P., tekhnicheskiiy redaktor

[Reference book for track formen and crew chiefs] Spravochnik dorozh-  
nogo мастера i brigadira puti. Izd. 4-oe, perer. Moskva, Gos. transp.  
zhel-dor. izd-vo, 1956. 435 p. (MIRA 10:1)  
(Railroads--Track)

POVARNIKOV, SERGEY DMITRIYEVICH

W/S  
7.1.82  
JF  
101

POVARNIKOV, SERGEY DMITRIYEVICH

Spravochnik dorozhnego mastera i brigadira puti (Hand-  
book for railroad mechanics and crew foremen) L. perer. izd.  
Moskva, transzheldorizdat, 1957.

435 P. illus., diagrs., tables.

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(MIRA 15:3)

(Railroads--Track)

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LEZHAVA, B.M., kandidat tekhnicheskikh nauk (Tbilisi); MAMASAKHLISOV,  
G.I., kandidat tekhnicheskikh nauk (Tbilisi); PODVYAZKIN, K.A.,  
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POVARENNYKH, A.S.

Valence state of atoms in minerals with a metallic bond.

Min. sbor. no.15:82-90 '61.

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POVARENNYKH, A.S.

✓ Mechanism of sericitization of feldspathic rocks, A. S.  
Povarennykh (Krivoi Rog Mining Inst.), *Mineralog.  
Sbornik: L'ov. Geol. Obshchestvo* 4, 87-94 (1950). Study of  
granitoids from Kazakh S.S.R. indicates that sericitization  
first attacks the plagioclase and then the potash feldspar  
components of the rock.  
Marie Siegrist

re. 224

21

CA

2

*Products of hypergenic change of topaz and muscovite.*  
A. S. Povarennykh. *Doklady Akad. Nauk S.S.S.R.* 75, 107-10 (1950).—Pseudomorphs (of a fatty-feeling, pale-bluish material) after topaz is observed in pegmatite veins of a biotite granite of the Upper Pskem River in Kirgizia. This material is an intimate mixt. of kaolinite and fluorite. Muscovite is also changed to the same product, as seen from microscopic samples. The decompn. of topaz and muscovite is locally restricted to the contact zone of the pegmatite with marble. The unchanged pegmatite contains: 80% quartz; 10% nearly pure F-topaz; 3% orthoclase; 5% muscovite, remainder  $\text{CaF}_2$  + sulphides. The decompn. starts from the surface of the well-developed topaz crystals, advancing into the inner, along cracks and cleavage planes. Chem. analyses are given of the original minerals, and the decompn. products; the muscovite is characterized by a slight Li content (0.13%), 4.45% FeO and 2.84% F. Fluorite and a small amt. of chlorite are formed between the basal cleavage faces, but in the dense decompn. products irregularly distributed. The reactions are understood from a schematic  $\text{CaO-Al}_2\text{O}_3\text{-F}$  diagram, and indicate the strong effects of  $\text{Ca}^{++}$  ions in metasomatic-hydrothermal solns. The genetic relations to the marble country rock are evident; similar phenomena were previously described in the so-called "ratovkite" (impure fluorite) formation, and in a complete agreement with the synthetic results of Lemberg (1898) on the decompn. of topaz by alkali carbonate solns. The instability of topaz in the contacts of granitoids with  $\text{CaCO}_3$  sediments is fully established by the observations, with  $\text{CaF}_2$  + aluminosilicates as the stable crystal phases.  
W. Rittel

C.A.

Tripilite and apatite in hydrothermal veins of S. Kazakhstan. A. S. Puvarennykh. *Zapiski Vsesoyuz. Mineral. (Mishchenko) (Mém. soc. russe mineral.)* 70, 220-9 (1960). The ore deposit of Sargardon in S. Kazakhstan is characterized by an interesting paragenesis of tripilite and apatite, although both minerals make up only about 2% of the whole vein ore body. Tripilite is coarse-granular. D. 3.67-3.73; cleavage (100);  $n_x = 1.648$ ;  $n_y = 1.674$ ;  $n_z = 1.664$ ;  $2V = +84^\circ$ . The chem. analysis shows 22.7% Fe<sub>2</sub>P<sub>2</sub>O<sub>7</sub>; 77.3% Mn<sub>2</sub>P<sub>2</sub>O<sub>7</sub>; spectroscopic examn. detected Pb, Sn, and Ti as accessories. The P-apatite is dense, porcelain-like, of typical metasomatic-secondary character; only scarce transparent small crystals on vein-lets. D. is 3.20-3.22;  $n_x = 1.624$ ;  $n_y = 1.619$ ; even lower indices and a weak birefringence are observed in milk-white compact portions, which are more similar to francolite or nahchite. The chem. analysis shows a remarkably high SrO content (2.72%), and Cu, Pb, Ba, Se, Ti, Ge, Ag, Mo, Sn

are detected by spectroscopic examn. The dehydration and partial P-loss are indicated on the heating curve by an endothermic effect at about 740°, followed by an exothermic re-crystn. effect at about 910°. The scarce well-crystl. apatite has the normal, higher  $n_x$  and cleavage; in ultra-violet light both crystals and compact apatite show a distinct reddish brown luminescence. The tripilite is rather irregularly distributed in the veins, and is more frequent in the deeper, the apatite in the higher portions. Tripilite belongs to the earlier mineralizations, with orthoclase, topaz, and sulfides; the apatite is formed later, with pyrite, and ferromuscovite, but before sphalerite and chalcopyrite. The replacement of tripilite by apatite by a metasomatic reaction, for which a chem. equation is derived, is shown by the typical relics included in the dense apatite, with very characteristic reaction rims. Oligonite (a Fe-Mn carbonate mineral) and fluorite are associated. The replacement is discussed in the diagram CaO-P<sub>2</sub>O<sub>5</sub>-(Mn,Fe)O. W. Fichtel

CA 8

Prehnite-garnet skarn from Chatkal'skii Rayon. A. S. Povarennykh. *Zapiski Vostochn. Mineral. Obshchestva* (Mém. Soc. russe minéral.) 81, 55-8 (1952). The locality is in the Kirgizian S.S.R. There is a distinct zonal succession from granites of the Maklantal intrusion, a desilicification zone some distance from the granite intrusion, of porphyric granitoid (monzonitic) type, followed by a hedenbergite skarn, a garnet skarn, and a skarn with the assocn. of garnet with prehnite and apophyllite. Chem. analyses of the original rock and of isolated garnets, with different grossularite: andradite ratios, and of prehnite are given. Particularly remarkable is the apparently continuous transition from the garnet to the prehnite zone. The skarn-forming reactions are interesting because of the late stage of a K<sup>+</sup> and P<sup>-</sup> metasomatism which changed the garnet to prehnite and apophyllite, at relatively low temp. Intermediate minerals, e.g. epidote, are entirely absent. W. F.

POVARENYYKH, A. S.

Cherkassk District - Tetradymite

Occurrence of tetradymite in the Cherkassk District. *Zh. Vses. min. ob. Sl. Na. S.*, 1962

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POVARENNYKH, A.S.

A particular process of limonitization of oxides of iron in the Krivoi Rog deposits. Doklady Akad. Nauk S.S.S.R. 85, 1345-7 '52. (ML2A 5:9)  
(CA 47 no.19:9870 '53)

POVARENNYKH, A.S.

Dmitrii Ivanovich Sokolov. Trudy Min.muz. no.5:30-55 '53.  
(MLBA 7:5)

(Sokolov, Dmitrii Ivanovich, 1788-1852)

1. POVARENNYKH, A. S.

2. USSR (600)

4. Mineralogy

7. Formulation of the contemporary definition of the concept "mineral." Zap.  
Vses. min. ob-va 82 No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

POVARENNYKH, A. S.

"Development of the Definition of the Concept of Mineral," Geologiya i mineralogiya, No 1, 3-31, 1954

The author analyzes the existing definitions of the concept "mineral" and formulates a new definition of this concept. He gives the history of the development of the definition in the 18th and 19th centuries and an analysis of contemporary definitions of the concept of mineral. He briefly clarifies the main outlines of what is new in mineralogy and the principal changes. The author considers it necessary to exclude gases, liquids, colloidal-dispersive formations, and caustobiolites from among the objects of study in mineralogy.

RZhGeol, No 1, 1955

POVARENNYKH, A.S.

"Mineralogy", a book by E.H. Kraus, W.F. Hunt, and L.S. Ramsdell.

Reviewed by A.S. Povarennykh. Trudy Min.muz. no.6:167-173 '54.

(Mineralogy) (Kraus, Edward Henry, 1875- ) (MLRA 8:7)

(Hunt, Walter Frederick, 1882- ) (Ramsdell, Lewis Stephen, 1895- )

POVARENNYKH, A. S.

POVARENNYKH, A.S.

P. Ramdohr's book "Mineralogy textbook" [in German]. Reviewed by  
A.S. Povarennykh. Zap. Vses. min. ob-va 83 no.2:159-163 '54. (MLBA 7:7)  
(Ramdohr, Paul, 1890- ) (Mineralogy)

POVARENAYA, AS

~~1~~ Problems of the ACCOMMODATION of ALIENS 1943

starts from the periphery of the crystals and is characterized by contacts with albite and perthite are especially marked. Isolated crystals of nepheline, on the other hand, are much less easily changed. Natrolite prevails over analime in nepheline rocks, while the latter is more abundant in feldspar rocks. Typical reaction rims of natrolite around nepheline and of a lime reaction rims of natrolite around nepheline and of a lime reaction rims of natrolite around nepheline. Cryptocrystalline natrolite and perthite are often observed. Cryptocrystalline natrolite and perthite are often observed. Cryptocrystalline natrolite and perthite are often observed.

1. Reaction of nepheline with SiO<sub>2</sub>

Reaction of nepheline requires addition of SiO<sub>2</sub> to form an aluminosilicate or a corresponding removal of Al<sub>2</sub>O<sub>3</sub> and H<sub>2</sub>O, which, however, has never been observed in the end phases. Kozhinski's theory is therefore adopted, i.e., that the little movable [SiO<sub>4</sub>]<sup>4-</sup> anions were exchanged in an autohydrolytic reaction from albite to nepheline, and thus analime and natrolite were simultaneously formed. The different SiO<sub>2</sub> potentials in both anhydrous aluminosilicates are thus equalized, with the minimum energy consumption. The mass action law governs the quantitative composition of the complex reactions.

These processes are expressed in formulas of the type (1) albite + nepheline + H<sub>2</sub>O → 2 analime (2) albite + 3 nepheline +

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POVARENNYKH, A.S.

The beginning of specialized mining training in Russia. Ochno-issled.  
geol.znan. no.4:151-166 '55. (MLRA 9:5)  
(Mining engineering--Study and teaching)

POVARENNYKH, A.S.

Crystallochemical classification of borates. Trudy Min.muz. no.7:  
104-111 '55.

(MLRA 9:5)

(Borates)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4, 15-57-4-4475  
p 66 (USSR)

AUTHOR: Povarennykh, A. S.

TITLE: Data on the Pegmatites in the Upper Reaches of the  
Pskem River (Materialy k izucheniyu pegmatitov v  
verkhov'yakh r. Pskem)

PERIODICAL: Zap. Uzbekist. otd. Vses. mineralog. o-va, 1955,  
Nr 8, pp 127-151

ABSTRACT: The Maydan-Tal batholith in the upper reaches of the  
Pskem River consists of biotite-microcline-microperthite  
granite of Upper Carboniferous age intruded into  
limestones. The author supplies data on the chemical  
composition of the granite, which is a normal granite  
with a low Mg content. Two facies are characteristic:  
coarse-grained and aplitic. The pegmatites are found  
chiefly in the coarse-grained granite, where they form  
three pegmatite fields. The pegmatites form veins of  
ceramic (feldspar-quartz) pegmatite and ellipsoidal

Card 1/3

Data on the Pegmatites in the Upper Reaches of the Pakem (Cont.) 15-57-4-4475

miarolite cavities at the edge of fractures. The miarolitic cavities have a concentric zoned structure, an outer aplitic zone grading into granite, giving way to a pegmatitic zone with graphic structure, then transitional pegmatoidal rock, and, in the center, druses of quartz and feldspar. The mineral content of the miarolitic aggregates of the three pegmatite fields is uniform. Thirty mineral species have been recognized and are described in the paper. There is evidence of stages in the process of mineral formation in the pegmatites, and a genetic diagram is presented. The characteristic features of the first stage of the pegmatitic process are the formation of minerals similar to the principal and accessory minerals of the host granites (it is recognized that there was considerable recrystallization of the granites during formation of the pegmatites). The second stage, the end of the pegmatite process, involved lower temperatures and was characterized by replacement and leaching. Five epochs of metasomatism are distinguished, connected transitionally: sodium, iron, potassium, calcium, and hydrolytic stage (formation of kaolinite and residual quartz) that continued into a third stage

Card 2/3

15-07-4-4475  
Data on the Pegmatites in the Upper Reaches of the Pskem (Cont.)

(in the pegmatite history), belonging to the supergene period of developing the pegmatite bodies (formation of a number of oxides and hydroxides). The cause of the microlitic cavities was the shrinkage of the granite when cooled below 600°. The dimensions of the different zones are in direct proportion to the thickness of the primary fractures and cavities and to the magmatic solutions. The author gives a diagram showing his interpretation of the origin of the pegmatites.

Card 3/3

L. P. Ts.

POVARENNYKH, A.S.

Formula for calculating the specific gravity of simple substances.  
Min.sbor.no.9:280-283 '55. (MLRA 9:9)

1.Krivoy Rog, Gornorufnyy institut.  
(Specific gravity) (Mineralogy, Determinative)

~~POVARENNYKH A.S.~~

"Principles of mineralogy" [in Italian]. P.Gallitelli. Reviewed by  
A.S.Povarennikh. Min.sber.no.9:379-384 '55. (MLRA 9:9)

1.Krivoy Reg. Gornyy-rudnyy institut.  
(Mineralogy)

POVARENNYKH, A.S.

"Mineralogy course" [in Italian]. Reviewed by A.S. Povarennykh.  
Zap. Vses. min. ob-va 84 no. 2:247-250 '55. (MLRA 8:10)  
(Bianchi, Angelo) (Mineralogy)



Povarennyykh, A. S.

2

✓Some basic problems in crystallochemistry and their significance in mineralogy. A. S. POVARENNYKH. Zapiski Vsesoyuz. Mineralog. Obshchestva, 84 (4) 409-92 (1956).—Mineralogists are accused of being out of date in depending too much on the old formal geometrical conceptions of crystal structure. A new theory based on energy considerations is introduced by a lengthy consideration of the chemical bond, ionic radii, and coordination relations of atoms. This theory is shown to provide a more accurate conception of the nature of crystalline matter than was previously possible. 5 figures, 58 references. D.T.W.

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7/4/57

POVARENNYKH, A. J.

POVARENNYKH, A. J.: "Crystal-chemical principles in a modern mineralogy textbook." Published by the Acad Sci USSR. Acad Sci USSR. Inst of the Geology of Ore Deposits, Petrography, Mineralogy, and Geochemistry. Moscow, 1956. (Dissertation for the Degree of Doctor in Geologicomineralogical Sciences)

Knizhnaya letopis', No. 39, 1956. Moscow.

15-57-4-4040

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,  
pp 1-2 (USSR)

AUTHOR: Povarennykh, A. S.

TITLE: The First Hundred Years of the Mineralogical Society  
(Mineralogicheskoye obshchestvo v techeniye pervykh sta  
let svoego sushchestvovaniy)

PERIODICAL: V sb: Ocherki po istorii geol. znaniy. Nr 5, Moscow,  
AN SSSR, 1956, pp 3-46

ABSTRACT: Three periods may be distinguished in the history of the  
Mineralogical Society: 1) from the foundation of the  
Society to the approval of the new statutes (1817-1864);  
2) from 1864 to the establishment of the Geological  
Committee in 1882; 3) from 1882 to the October  
Revolution. During the first 25 years of the history of  
the Society, its members were able to do field work only  
in the environs of St. Petersburg because of limited  
means; publication progressed slowly; there were

Card 1/5

15-57-4-4040

The First Hundred Years of the Mineralogical Society (Cont.)

were published in the "Verhandlungen". The second period of activity in the Society's history coincided with a significant spurt in Russian industrial development and a correspondingly increased interest in the geological study of the country. In 1864 the structure of the Society was changed; the goals of the geological and mineralogical study of Russia were strengthened and broadened. From 1866 on the journal of the Society was printed in three languages (Russian, German, French) under the title of "Zapiski Imperatorskogo S.-Peterburskogo mineralogicheskogo obshchestva" ("Records of the Imperial St. Petersburg Mineralogical Society"). In 1865 N. I. Koksharov (1818-1892) became Director of the Society. In 1866 the Society began a systematic survey of Russia. "Pravila dlya rukovodstva pri snapyazhenii geologicheskikh ekspeditsiy" ("Guiding Principles in Equipping Geological Expeditions") were worked out. In the works from 1860 to 1880 geological research was done on many regions of European Russia. In 1869 the Society began to publish a series of collections entitled "Materialy dlya geologii Rossii", ("Geological Data on Russia"). During this period the

Card 3/5

The First Hundred Years of the Mineralogical Society (Cont.) 15-57-4-4040

research. In its transactions the Society published the classical works of Ye. S. Federov on crystallography. At the beginning of the 20th century we observe a change in the mineralogical works of the Society members; this change is characterized by a shift from the morphological to the genetic approach. Here we note the ever-increasing influence of the concepts of V. I. Vernadskiy and A. Ye. Fersman. In the final fifteen years the amount of mineralogical research was considerably reduced. The activities of the Society were increasingly devoted to geological and paleontological investigations in various parts of the country. This was due, to a considerable degree, to the fact that the direction of the Society during this time was in the hands of geologists rather than mineralogists (A. P. Karpinskiy, 1899-1936); F. N. Chernyshev, 1892-1914; A. P. Gerasimov, 1914-1931). The article includes a bibliography of 113 titles.

Card 5/5

D. I. G.

POVARENNYKH, A.S.

The future development of the crystallochemical classification of minerals. Izv.AN SSSR.Ser.geol.21 no.12:91-114 D '56.

(MLRA 10:1)

1. Krivorozhskiy gornorudnyy institut.  
(Crystallochemistry) (Mineralogy, Determinative)

POVARENNYKH, A. S.

✓ Supergene changes in wolframite from Kirgizia. A. S. Povarennykh. *Zapiski Vostochno-Sibirsk. Otdeleniya Akad. Nauk SSSR*, 1956, 1, 1-9, 115-117. Cf. Chakirov, C.A. 41, 7221f. — P. 115. Wolframite ores from Orginsk, in a quartz-topaz greisen, related to skarns and marbles in contact with biotite granite, impregnated with fluorite, pyrite, and hematite. The wolframite has a ratio  $FeO:MnO = 2.5:1$  to  $3.0:1$ . The change to supergene replacement minerals is surprisingly selective, restricted often only to single crystals, leaving others entirely intact. The conversion to dull dark-brown, friable products is combined with a considerable reduction in d. and hardness. Chem. analyses show in these products a strong impoverishment in  $WO_3$ ,  $FeO$ , and  $MnO$ , but an enrichment in  $FeO$  (up to 60%),  $SiO_2$ ,  $H_2O$  (up to more than 12%), and  $F$  (1%). The microscopic exam. shows (besides colloidal  $Fe(III)$  hydroxide) the replacement of wolframite by scheelite and fluorite which protrude along cracks into the crystals. Scheelite is entirely foreign to the primary wolframite-contg. greisen rock. Gilberite is a subordinate secondary formation in the reactions. The supergene formation of scheelite is also in agreement with the exper. results of Gamm (C.A. 43, 820) and Mysakova (C.A. 38, 5109).

ling. The author believes that this curve can be used evaluating quantitatively the character of the chemical bonds.

Card 1/1

- 15 -

POVARENENYKH, A. S.

Problems of the sizes of effective ionic radii. A. S. Povarennykh (Mining Inst. Kiyev Reg. Polytech. Acad. Sci. U.S.S.R. 109, 1167-78 1956); cf. C.A. 51, 1218f. If  $R_r$  means the purely ionic radius of R and  $R_e$  its purely at. radius, and if  $k$  is the percentage of covalent binding in a compd. MF, the radius of the cation  $M^+$  is calcd. by the equation  $R_e = d_{M-F} - [R_r - k(R_r - R_F)]$ . The effective radii of metals M in such compds. are easily detd. from  $k$ ; e.g. for M = Na  $k = 5\%$ , and  $(100/x) = (100 - 5)/(1.83 - 0.93)$ ,  $x$  being the difference  $R_e - R_F$ , which is for Na 0.93 Å.  $R_{Na} = 0.93$  Å. (effective). Analogously for K the effective radius = 1.29 Å. Further the effective radius for  $O^{2-} = 1.40$  Å, for  $Cl^- = 1.83$  Å. For the most important fluorides, oxides, and sulfides a complete table of effective radii is calcd. The data for  $V^{3+}$ ,  $As^{3+}$ ,  $S^{2-}$ ,  $Se^{2-}$ ,  $Cu^{2+}$ ,  $Mn^{2+}$ ,  $Li^+$  and  $Au^+$  are extrapolated from those of the neighbor elements. Another table gives for comparison the theoretical and experimentally detd. interat. distances for a large no. of binary compds., with shares of covalent binding varying between 6% (LiF) and 79% (MgTe). The agreement is good. Slight anomalies not exceeding 0.1 Å. occur for the halides of Li, the iodides of Rb and Cs, the selenides and tellurides of Cu, Re, Ba, and compds. of  $Tl^+$  and  $Pb^{2+}$ , which are explained by the effects of s electrons not participating in the bonding mechanisms. W. Rittel

RM mt



POVARENNYKH, A.S.

Compressibility and thermal expansion of minerals. Trudy Min. fiz.  
no.8:85-98 '57. (MIRA 11:3)

(Mineralogy)

POVARENNYKH, A.S.

Magnetic properties of minerals. Min.sbor. no.11:52-58  
'57. (MIRA 13:2)

1. Gornorudnyy institut, Krivoy Rog.  
(Mineralogy)

POVARENNYKH, A. S.

"Crystallochemical bases of the Modern Text book of Mineralogy."

dissertation defended for the degree of Doctor of Geological-Mineralogical Sciences, at the Inst. for the Geology of Ore Deposits, Petrography, Mineralogy and Geochemistry. (Jan-Jul 1957)

Defense of Dissertations

Sect. of Geological-Geographical Sci.

Vest. AN SSSR, 1957, v. 27, No. 12, pp. 113-115)

*POVARENNYKH, A. S.*  
USSR/Physical Chemistry - Crystals.

B-5

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 228

Author : A.S. Povarenniykh

Inst : -

Title : Dependence of Mineral Hardness on State of Chemical Bond.

Orig Pub : Dokl. AN SSSR, 1957, 112, No 6, 1098-1100

Abstract : The covalency degree (in %) of bonds was computed for compound pairs with close interatomic distances, same valency and same co-ordination number of atoms using the values of electrical negativity of elements from tables. These compound pairs were: NaCl - AgBr, BaO - MgSe, SrO - MgS, MgO - BeO. In every pair, the crystal with a prevailing covalent bond is harder than the crystal with the ion bond. In cases that the increase of the interatomic distance is accompanied by a decrease of the bond valency (in series with different cations), the hardness drops more rapidly in series of halides of alkali metals and of

Card 1/2

JOARENNYKH, A.S.  
JOARENNYKH, A.S.

~~JOARENNYKH, A.S. (Mineralogy) (1911-1912)~~

(1911-1912)

(Mineralogy)

(Mineralogy)

~~POZARENKYH~~, A.S.

Hardness of minerals and factors determining it. Zap. Uf. Otd.  
Vses. min. ob-va no.12:67-78 '58. (MIRA 11:10)  
(Mineralogy)

POVARENNYKH, A.S.

About the handbook "Minerals," vol. 1. Zap. Vses. Min. ob-va  
93 no. 2:231-236 '64. (MIRA 17:6)

1. Otdel mineralogii Instituta geologicheskikh nauk AN UkrSSR,  
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Relation between hardness and melting point of minerals. Min.  
sbor. no.12:418-423 '58. (MIRA 13:2)

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Nature of the solubility of minerals Zap. Vses. min. ob-va 87  
no.2:215-223 '58. (MIRA 11:9)

1. Deystvitel'nyy chlen Vsesoyuznogo mineralogicheskogo obshchestva.  
(Mineralogy) (Solubility)

POVARENNYKH, Aleksandr S.

"Concerning the Influence of Non-Bonding Electrons on  
Crystal Properties"

a report presented at Symposium of the International Union of  
Crystallography Leningrad, 21-27 May 1959

3(8)

SOV/11-59-4-9/17

AUTHOR: A. S. Povarennykh

TITLE: ~~A.N. Winchell~~ (Pamyati A.N. Vinchella) (1874-1958)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geologicheskaya, 1959, Nr 3, pp 108-9 (USSR)

ABSTRACT: The article is devoted to the memory of the 84-year-old A.N. Winchell, Professor for Mineralogy and Petrology, who died June 7, 1958 in the USA. Part of the biographical information was furnished through the courtesy of Professor Horace Winchell, son of the late professor. There is 1 photograph.

Card 1/1

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Dehydration and thermal dissociation of minerals. Trudy Min.  
muz. no.9:99-106 '59. (MIRA 12:6)  
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POVARENENYKH, A.S., doktor geol.-miner. nauk, prof., otv. red.;  
AGAFONOVA, T.N., kand. geol.-miner. nauk, dots., red.;  
GAVRUSEVICH, B.A., kand. geol.-miner. nauk, dots., red.;  
GLADKIY, V.N., inzh., red.; IVANTISHIN, M.N., doktor  
geol.-miner. nauk, red.; LOGVINENKO, N.V., doktor geol.-  
miner. nauk, prof., red.; PLATONOV, A.N., inzh., red.;  
KHATUNTSEVA, A.Ya., kand. geol.-miner. nauk, red.;  
ZAVIRYUKHINA, V.N., red.

[Chemical composition and internal structure of minerals]  
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Naukova dumka, 1964. 216 p. (MIRA 18:1)

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Regular arrangement of the crystals of some oxides. Min. sbor. 18  
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GAVRUSEVICH, B.A., kand. geol.-miner. nauk, dots., red.;  
IVANTISHIN, M.N., doktor geol.-miner. nauk, red.; LAZARENKO,  
Ye.K., prof., red.; LOGVINENKO, N.V., doktor geol.-miner.  
nauk, prof., red.; MITSKEVICH, B.F., kand. geol.-miner. nauk  
red.; PLATONOV, A.N., ml. nauchn. sotr., red.; SERDYUK, O.F.,  
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